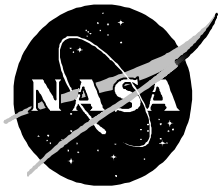
VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY MANAGEMENT SYSTEM (NSMS)

Release 6.3.0

PrISMS Contract

March 1999



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

VERSION DESCRIPTION DOCUMENT
FOR THE
NASA SUPPLY MANAGEMENT SYSTEM (NSMS)
RELEASE 6.3.0

Approved by

Sheila Fogle Date
Consolidation Center
Project Manager

Nikita Zurkin Date
Program Functional Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

March 1999

1 INTRODUCTION

1.1 Identification of the Release

This software release is identified as the National Aeronautics and Space Administration (NASA) Supply Management System (NSMS), Version Description Document (VDD), Release 6.3.0.

The release has an effective date of March 31, 1999 and is scheduled for implementation by April 30, 1999. Support of the previous release expires on the implementation date of release 6.3.0.

1.2 Purpose of the Release

This release includes system modifications as specified in Sections 2.0 and 3.0 of this document.

1.3 Scope of the Release

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 6.3.0, including the following:

- Validation procedures to ensure the reliability of those changes.
- References to other documents affected by this release.
- Detail software installation procedures.

1.4 Contact Points

Questions regarding the functional and/or technical aspects, as well as the installation of this release, should be directed to:

Pam Leak at telephone number (205)544-1388 or
by e-mail Pam.Leak@msfc.nasa.gov
Steve Rowell at telephone number (205)544-1452 or
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Mark Stevens at telephone number (205)544-1458 or
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The fax number is (205)544-1836.

2 FUNCTIONAL INFORMATION

2.1 FUNCTIONAL CHANGES

This release incorporates Requirement Changes (RC) approved by the Configuration Control Board (CCB).

This release incorporates Discrepancy Report (DR) 870, 881, 897, 900, 919, 931, 933, 934, 936, 937, 942, 943 and 950.

This release includes the necessary modules to incorporate RC 106, 890, 891, 905, 939, 940 and 948 approved by the CCB.

THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.

1. ENHANCEMENT -- (Stock Status Code) 1620 # - 106

Modify the system to allow all stock status codes to be traceable (lot/batch or serial).

ACTION - Modify the NSMS core system to allow all stock status codes to be traceable by lot/batch or serial number.

2. PROBLEM -- (Conversion of Frozen Assets to Just In Time (JIT) Assets) 1620# - 870

An asset record was frozen as a store stock item using the Over the Counter Issue (OTC) process. While frozen the asset became a JIT asset. Since the asset is now a JIT asset, it can not be thawed.

ACTION - Correct the problem so that frozen assets cannot be converted to JIT assets.

3. PROBLEM -- (Create Issue Directive) 1620# - 881

Due Out transactions are generated with a single digit document number for Non-JIT Assets with a Stock Ownership of “JT”.

ACTION - Correct the process to assign the correct document number for a non-JIT with an ownership of “JT”.

4. ENHANCEMENT -- (NSMS and NASA Online Supply Catalog (NOSC)) 1620# - 890 & 891

When more than one asset exists for the same stock number (i.e., program and stores), NOSC defaults an order to the first Asset, Stock Status Code, and Stockownership in sequence. This is also a problem when multiple Domains are included in NOSC. Area Code is defaulted to 205 for all orders placed in NOSC.

ACTION - In the order process for NOSC, when multiple assets exist, allow the user to select which asset to order, including multiple domains. Change the Site Parameter Table process to include area code for the center. Create additional Work Files for the extracting of Traceable / Quality Sensitive information and update existing Technical Description file with Trace Code allowing for processing of traceable assets. Add the ability to create a JIT Part File, the 'A to Z Fax List'. Add the ability to update Asset data for any Domain from a Excel Spreadsheet.

5. PROBLEM -- (NOSC Status) 1620# - 897

When a JIT direct order is created (DIED) and cancelled, the correct status data is applied to these transactions. However, when the status records are created for NOSC, duplicates are created without a description.

ACTION - Correct the process to create one status record with a description.

6. PROBLEM -- (Catalog Scan) 1620# - 900

The PF7 processing does not work correctly on an end of file condition or when multiple records exist for the same key.

ACTION - Correct the processing of the pf7 backward scrolling.

7. ENHANCEMENT -- (NOSC) 1620# - 905

NOSC needs to allow the viewing of items with trace data and quality sensitive data. It also needs to allow the ordering of traceable items, and the selection of quantity from specific trace keys.

ACTION - Modify NOSC to allow the viewing and ordering of traceable items.

8. PROBLEM -- (Create Issue Directive) 1620# - 919

The Create Issue Directive process abends with a Natural error ‘1009’ or a Natural error ‘1108’ when attempting to select an asset by part number and all the assets are discontinued.

ACTION - Correct the process to display the assets and return a message when all records for the part number are found to be discontinued.

9. PROBLEM -- (Receive Turn-In For Credit/No Credit) 1620# - 931

The process does not release due outs automatically when the release due out field is Yes. The value is being overlaid with a No when the Transaction Definition table value for a Turn-in for Credit (TICR) and Turn-in for No Credit (TINC) is blank.

ACTION - Correct the process to release due outs based on the value in the release due out field on the turn-in screen. If Transaction Definition table (TRANSDEF) is blank for a TINC or TICR, default the release due out field to No on the turn-in screen. If the user enters Yes to release due outs, release the due outs automatically.

10. PROBLEM -- (FED/MIL Order Demand Items) 1620# - 933

The Fed/Mil Order Demand Items process will abend with an index out of range fatal error, when the user generates an A0A (request for domestic shipment) status card then before running the Fed/Mil Requisitions and Returns process, generates an RES (re-establish cancelled Fed/Mil Order) status.

ACTION - Correct the process to return an error when attempting to generate an RES status without status cards.

11. PROBLEM -- (Quality Criteria Table) 1620# - 934

When adding Quality Criteria Codes to the Quality Criteria Table, an error is generated when adding similar, but not identical, Quality Criteria Codes.

ACTION - Correct the process to allow maintenance of similar Quality Criteria Codes.

12. PROBLEM -- (Pre-Post Issue Reversal) 1620# - 936

The Reversal of a Pre-Post Issue generates a Document Number that is the same as the Original Issue's Document Number when there is more than twelve (12) months time.

ACTION - Correct the Pre-Post Issue Reversal process so that the correct Document Number is placed on the reversal transaction.

13. PROBLEM -- (Catalog Inquiry Driver) 1620# - 937

When selecting a catalog record in the Catalog Inquiry Driver by part number, an error is being displayed **Requested Part Number Record Not Found**. However, when the NSN associated with the part number is selected, the record comes up with the part number on it.

ACTION - Correct the process to allow selection of valid part numbers.

14. ENHANCEMENT -- (Inventory Control Report) 1620# - 939

The Inventory Control Report cannot be generated prior to the complete entry of the first Inventory Count.

ACTION - Allow the Inventory Control Report to be generated prior to the entry of the first Inventory Count.

15. PROBLEM -- (Receive Turn-In For Credit/No Credit) 1620# - 942

Two modules received a natural error due to the fact that only the last two digits of the four digit year is being used in calculations. The processes do contain the four digit year.

ACTION - Correct the modules to use the four digit year in the calculations.

16. PROBLEM -- (NOSC) 1620# - 943

The NOSC Issue process fails to generate the related transaction and / or updates of the related asset record when a Pre-ET error is encountered.

ACTION - Correct the Issue process invoked by NOSC to back out all transactions and updates when an error is encountered within the Pre-ET.

17. ENHANCEMENT -- (Purchase Order Acknowledgment (855) and Purchase Order (850)) 1620# - 940, 948

The 850 and 855 transaction sets need additional data fields added to allow ARC to use GSA as a trading partner. The X12 transaction set transmitted between NOSC and an external vendor is not Y2K compliant.

ACTION - Change the processes to allow for ARC to use GSA as trading partner. Change processing in NSMS to comply with the new version (4010) of X12 transaction sets.

18. PROBLEM -- (Warehouse Denial) 1620# - 950

When selecting multiple denial transactions for approval, the comments previously entered are missing. This occurs when selecting multiple transactions to approve and the first record chosen has fewer lines of comments than the second record chosen has. Even though a user has to enter comments before advancing to the next level of approval, it appears that comments were not entered when displaying the second record.

ACTION - Correct problem to display the comments from the transaction being approved.

2.2 FUNCTIONAL INTERFACES

The release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

2.3 CRITICAL ISSUES

THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.

2.4 AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated July 1998.

2.5 APPLICATION SYSTEM ADMINISTRATION

Enhancement 891:

Perform the following tasks only if your center uses NOSC. The data set names in the JCL provided are **for reference only**, each receiving site may change the JCL accordingly to meet site standards, etc.

1. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: NSPTCEXS
   Press <enter>

   Enter: Command name: NOSCEXTR
   Type: EDI
   Title: NOSC Extract
   Secured: N
   Function: blank
   Comment: N

2. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: EDPTJTDO
   Press <enter>

Enter: Command name: JIT850
Type: EDI
Title: EDI 850 TRANSACTIONS
Secured: N
Function: blank
Comment: N

3. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: EDPTPOAK
   Press <enter>

   Enter: Command name: EDI855
   Type: EDI
   Title: EDI 855 TRANSACTIONS
   Secured: N
   Function: blank
   Comment: N

4. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: EDPTXCEL
   Press <enter>

   Enter: Command name: JITASSET
   Type: EDI
   Title: EDI/JIT EXCEL DATA UPDATE OF ASSET
   Secured: N
   Function: blank
   Comment: N

5. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: EDPTBLWF
   Press <enter>

   Enter: Command name: JITFILE
   Type: EDI
   Title: Create a JIT Part File

Secured: N
Function: blank
Comment: N

6. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.

7. Add the NOSC Extract to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
   Task ID: NSPUCEXS
   Task name: NOSC Extract
   Parameter Input Module: NSSFCEXS
   Number of work files: 13

8. Add the EDI 850 TRANSACTIONS to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
   Task ID: EDPUJTDO
   Task name: EDI 850 TRANSACTIONS
   Parameter Input Module: EDSFJTDO
   Number of work files: 1
   Report ID: EDRB880A
   Name: EDI ORDER ERRORS
   File No: 1

9. Add the EDI 855 TRANSACTIONS to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
   Task ID: EDPUPOAK
   Task name: EDI 855 TRANSACTIONS
   Parameter Input Module:
   Number of work files: 1
   Report ID: EDRBPOAK
   Name: PURCHASE ORDER ACKNOWLEDGMENT
   File No: 1

10. Add the EDI/JIT EXCEL DATA UPDATE OF ASSET to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
    Task ID: EDPUXCEL
    Task name: EXCEL DATA UPDATE OF ASSET
    Parameter Input Module: EDSFXCEL
    Number of work files: 1
    Report ID: EDMPXCEL
    Name: JIT ASSET LOAD

File No: 1

11. Add the Create a JIT Part File to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
    Task ID: EDPRBLWF
    Task name: Create a JIT Part File
    Parameter Input Module: EDSFBLWF
    Number of work files: 1
    Report ID: EDRBBLWF
    Name: JIT FILE ERROR REPORT
    File No: 1

12. Change the Parameter Input Module for the JIT BATCH RECEIPT in the Batch Task Maintenance (BATCHTSK) in the NS domain with:
    Parameter Input Module: **EDSFRCEC**

13. Change the Parameter Input Module for the VENDOR FAX LIST in the Batch Task Maintenance (BATCHTSK) in the NS domain with:
    Parameter Input Module: **EDSFECPA**

14. Change the Parameter Input Module for the EDI ORDER STATUSING in the Batch Task Maintenance (BATCHTSK) in the NS domain with:
    Parameter Input Module: **EDSFORDR**

15. Add the NOSC Extract to the Batch Job Maintenance (BATCHJOB) in the NS domain with:
    Job ID: NOSCEXTR
    Job Name: NOSC Extract
    Type of scheduling: U (User Initiated)
    Type of submission: I (Immediate)
    Task ID: NSPUCEXS

    Add the work files:

```
//CMWKF01 DD DSN=MSIRM.NSMSDD.ITEM.GENTECH.NAME,DISP=SHR
//CMWKF02 DD DSN=MSIRM.NSMSDD.ITEM.HEADERS,DISP=SHR
//CMWKF03 DD DSN=MSIRM.NSMSDD.ITEM.DESC,DISP=SHR
//CMWKF04 DD DSN=MSIRM.NSMSDD.ITEM.NSN,DISP=SHR
//CMWKF05 DD DSN=MSIRM.NSMSDD.ITEM.PART.NUMBER,DISP=SHR
//CMWKF06 DD DSN=MSIRM.NSMSDD.ITEM.TECH.DESC,DISP=SHR
//CMWKF07 DD DSN=MSIRM.NSMSDD.ITEM.ASSET.INFO,DISP=SHR
//CMWKF08 DD DSN=MSIRM.NSMSDD.ITEM.MFG,DISP=SHR
//CMWKF09 DD DSN=MSIRM.NSMSDD.ITEM.AKANAME,DISP=SHR
//CMWKF10 DD DSN=MSIRM.NSMSDD.ITEM.STATUS,DISP=SHR
//CMWKF11 DD DSN=MSIRM.NSMSDD.ITEM.DLVRY,DISP=SHR
//CMWKF13 DD DSN=MSIRM.NSMSDD.ITEM.ORDER.TRACE,DISP=SHR
```

//CMWKF14 DD DSN=MSIRM.NSMSDD.ITEM.CRITERIA.CODES,DISP=SHR

Pre-allocate and catalog the work files:
MSIRM.NSMSDD.ITEM.GENTECH.NAME
DCB=(RECFM=FB,LRECL=81,BLKSIZE=27945),SPACE=(TRK,(9,1),RLSE)
MSIRM.NSMSDD.ITEM.HEADERS
DCB=(RECFM=FB,LRECL=79,BLKSIZE=27966),SPACE=(TRK,(20,1),RLSE)
MSIRM.NSMSDD.ITEM.DESC
DCB=(RECFM=FB,LRECL=73,BLKSIZE=27959),SPACE=(TRK,(14,1),RLSE)
MSIRM.NSMSDD.ITEM.NSN
DCB=(RECFM=FB,LRECL=29,BLKSIZE=27985),SPACE=(CYL,(2,1),RLSE)
MSIRM.NSMSDD.ITEM.PART.NUMBER
DCB=(RECFM=FB,LRECL=132,BLKSIZE=23364),SPACE=(CYL,(9,1),RLSE)
MSIRM.NSMSDD.ITEM.TECH.DESC
DCB=(RECFM=FB,LRECL=87,BLKSIZE=8700),SPACE=(CYL,(14,1),RLSE)
MSIRM.NSMSDD.ITEM.ASSET.INFO
DCB=(RECFM=FB,LRECL=38,BLKSIZE=27968),SPACE=(TRK,(19,1),RLSE)
MSIRM.NSMSDD.ITEM.MFG
DCB=(RECFM=FB,LRECL=55,BLKSIZE=27995),SPACE=(CYL,(5,1),RLSE)
MSIRM.NSMSDD.ITEM.AKANAME
DCB=(RECFM=FB,LRECL=100,BLKSIZE=23400),SPACE=(TRK,(2,1),RLSE)
MSIRM.NSMSDD.ITEM.STATUS
DCB=(RECFM=FB,LRECL=186,BLKSIZE=18600),SPACE=(CYL,(7,1),RLSE)
MSIRM.NSMSDD.ITEM.DLVRY
DCB=(RECFM=FB,LRECL=45,BLKSIZE=27990),SPACE=(CYL,(4,1),RLSE)
MSIRM.NSMSDD.ITEM.ORDER.TRACE
DCB=(RECFM=FB,LRECL=71,BLKSIZE=7100),SPACE=(CYL,(8,1),RLSE)
MSIRM.NSMSDD.ITEM.CRITERIA.CODES
DCB=(RECFM=FB,LRECL=118,BLKSIZE=1180),SPACE=(CYL,(8,1),RLSE)

16. Add the EDI 850 TRANSACTIONS to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID:	JIT850
Job Name:	CREATE EDI ORDERS (850)
Type of scheduling:	U (User Initiated)
Type of submission:	I (Immediate)
Task ID:	EDPUJTDO

Add the work file:
//CMWKF01 DD DSN=MSIRM.NSMSDD.EDI850.OUTPUT, DISP=SHR,
// SPACE=(TRK,(5,1),RLSE),DCB=(RECFM=VB,LRECL=139,BLKSIZE=1390),
// UNIT=SYSDA

17. Add the EDI 855 TRANSACTIONS to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID:	EDI855
Job Name:	EDI 855 TRANSACTIONS
Type of scheduling:	U (User Initiated)

Type of submission: I (Immediate)
Task ID: EDPUPOAK

Add the work file:
//CMWKF01 DD DSN=MSIRM.NSMSDD.EDI855.OUTPUT,DISP=SHR

Pre-allocate and catalog the work file:
MSIRM.NSMSDD.EDI855.OUTPUT
DCB=(RECFM=VB,LRECL=256,BLKSIZE=6233),SPACE=(TRK,(1,1),RLSE)

18. Add the EDI/JIT EXCEL DATA UPDATE OF ASSET to the Batch Job Maintenance (BATCHJOB) in the NS domain with:
    Job ID: JITASSET
    Job Name: JIT ASSET LOAD
    Type of scheduling: U (User Initiated)
    Type of submission: I (Immediate)
    Task ID: EDPUXCEL

Add the work file:
//CMWKF02 DD DSN=MSIRM.NSMSDD.EXCEL.DATA,DISP=SHR

Pre-allocate and catalog the work file:
MSIRM.NSMSDD.EXCEL.DATA
DCB=(RECFM=VB,LRECL=256,BLKSIZE=6233),SPACE=(TRK,(1,1),RLSE)

19. Add the Create a JIT Part File to the Batch Job Maintenance (BATCHJOB) in the NS domain with:
    Job ID: JITFILE
    Job Name: Create a JIT Part File
    Type of scheduling: U (User Initiated)
    Type of submission: I (Immediate)
    Task ID: EDPRBLWF

Add the work file:
//CMWKF01 DD DSN=MSIRM.NSMSDD.EXTRACT,DISP=SHR

Pre-allocate and catalog the work file:
MSIRM.NSMSDD.EXTRACT
DCB=(RECFM=FB,LRECL=139,BLKSIZE=1390),SPACE=(TRK,(1,1),RLSE)

3 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

This NSMS release has no technical impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NSMS Software Release 6.3.0 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of the release.

4 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A

LIST OF ACRONYMS

ADP	Automated Data Processing
CCB	Configuration Control Board
CCR	Change Control Request
DR	Discrepancy Report
JCL	Job Control Language
JIT	Just In Time
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NOSC	NASA On Line Supply Catalog
NSMS	NASA Supply Management System
NSN	National Stock Number
OTC	Over the Counter
RC	Requirements Change
UOG	User and Operations Guide
VDD	Version Description Document

APPENDIX B

GLOSSARY

This document has no terms to be defined.

APPENDIX C

FUNCTIONAL CHANGE VALIDATION PROCEDURES

1. ENHANCEMENT -- (Stock Status Code) 1620 # - 106

Modify the system to allow all stock status codes to be traceable (lot/batch or serial).

ACTION - Modify the NSMS core System to allow all stock status codes to be traceable by lot/batch or serial number.

VALIDATION

Add, Change, Delete Asset

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a traceable catalog record.
- Using the Add, Change or Delete (ADCHGAST) process, add a store stock, program stock and a standby stock asset to the traceable catalog record from the previous step. Add bins to the assets.
- Using the Inventory Adjustment (INVADJST) process, add some quantity to the assets added in the previous step.
- Using the Asset Scan (SCANASET) process, verify the assets added in the previous step are traceable.
- Using the Inventory Adjustment (INVADJST) process, decrease the assets quantity to zero.

Inventory Adjustment

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, change the catalog record to non traceable. Verify that no error message is displayed when changing to non traceable.
- Using the Inventory Adjustment (INVADJST) process, add some quantity to the three assets.
- Using the Asset Scan (SCANASET) process, verify the assets are not traceable.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, attempt to change one of the three catalog records to traceable by adding a trace code. An error message should be displayed stating “Invalid assets with quantity exist”.
- Using the Inventory Adjustment (INVADJST) process, decrease the assets quantity to zero.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, change the catalog record to traceable.

Inventory Counts

- Using the Create Manual Due Out (MANUALDO) process, create a Due-Out for the commercial stocked traceable asset and tie the Due-Out to the Due-In created in the previous step. To tie the Due-Out to the Due-In enter the document number of the Due-In in the Due-In document number field.
- Using the Process Inventory Counts (INVCTSMM) process, build an Inventory Control record (option 1 with run-id , FSA as the inventory type and 'Y' or 'N' in the ignore matching count field). Enter the assets used in the previous steps to be inventoried.
- Using the Process Inventory Counts (INVCTSMM) process, build an Inventory Lot (option 3).
- Using the Process Inventory Counts (INVCTSMM) process, produce warehouse data collection report (option 4).
- Using the Process Inventory Counts (INVCTSMM) process, process warehouse counts (option 5). Verify the traceable store stock and traceable standby stock assets can be processed for inventoried.
- Using the Process Inventory Counts (INVCTSMM) process, perform final adjustment (option 7).
- Using the Monitor Transaction (MONTRANS) process, verify that no due out release transaction was created for the traceable asset.

Manual Commercial Due-In (Tying of a Due-Out to a Due-In)

- Using the Manual Commercial Due In (MANCOMDI) process, create a Due-In for a commercial stocked asset. Note the document number of the Due-In (DISC) transaction.
- Using the Create Manual Due Out (MANUALDO) process, create a Due-Out for the commercial stocked asset and tie the Due-Out to the Due-In created in the previous step. To tie the Due-Out to the Due-In enter the document number of the Due-In in the Due-In document number field.
- Using the Manual Commercial Due In (MANCOMDI) process, attempt to delete the Due-In that is tied to the Due-Out created in the previous step. An error message should be returned.
- Using the Manual Commercial Due In (MANCOMDI) process, change the quantity of the Due-In that is tied to the Due-Out to a quantity less than the Due-Out. An error message should be returned.
- Using the Manual Commercial Due In (MANCOMDI) process, change the quantity of the Due-In that is tied to the Due-Out to be more than the quantity of the Due-Out.

Adjust Due-In Open Quantity (Tied Due-Out to a Due-In)

- Using the Manual Commercial Due In (MANCOMDI) process, create a Due-In for a commercial stocked asset. Enter a quantity of 12 for the Due-in. Note the document number of the Due-In (DISC) transaction.

- Using the Create Manual Due Out (MANUALDO) process, create a Due-Out for the commercial stocked asset and tie the Due-Out to the Due-In created in the previous step. Enter a quantity of 10 for the Due-Out. To tie the Due-Out to the Due-In enter the document number of the Due-In in the Due-In document number field.
- Using the Receive Due-In Not Due-In (DINOTDI) process, receive a quantity of one against the Due-In.
- Using the Adjust Due In Open Quantity (DIOPEN) process, decrease the quantity of the Due-In by 1.
- Using the Adjust Due In Open Quantity (DIOPEN) process, decrease the quantity of the Due-In by 2. An error message should be returned.
- Adjust Due-Out
- Using the Manual Commercial Due In (MANCOMDI) process, create a Due-In for a commercial stocked asset. Note the document number of the Due-In (DISC) transaction.
- Using the Create Manual Due Out (MANUALDO) process, create a Due-Out for a commercial stocked asset and tie the Due-Out to the Due-In created in the previous step.
- Using the Adjust Due Out Quantity (ADJUSTDO) process, tie the Due-Out to the Due-In.
- Using the Adjust Due Out Quantity (ADJUSTDO) process, tie the Due-Out to a Due-In for a different asset. An error message should be returned.

Manual Fed/Mil Order Entry

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a catalog record with a federal supply source. Enter 1 for the Fedmil Unit Price, Fedmil Unit Pack and Fedmil Conversion Factor. Enter EA as the Fedmil Unit Order.
- Using the Add, Change or Delete (ADCHGAST) process, add a store stock asset for the catalog record created in the previous step. Add bins to the assets.
- Using the Manual Fed/Mil Order Entry (MANFED) process, create a Due-In for a quantity of 12 for the asset. Note the document number of the Due-In.
- Using the Create Manual Due Out (MANUALDO) process, create a Due-Out for a quantity of 12 for the asset and tie the Due-Out to the Due-In. To tie the Due-Out to the Due-In enter the document number of the Due-In in the Due In Document Number field.
- Using the Manual Fed/Mil Order Entry (MANFED) process, increase the quantity of the Due-In to be more than the Due-Out quantity.
- Using the Manual Fed/Mil Order Entry (MANFED) process, adjust the quantity of the Due-In to be less than the Due-Out quantity. An error message should be returned.

Release Due-Outs

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a traceable catalog record.
- Using the Add, Change or Delete (ADCHGAST) process, add a store stock asset , program stock asset and a standby asset for the catalog record just created. Add bins to all of the asset records. The store stock asset will be known as ASSET1, the program stock asset will be known as ASSET2, and the standby stock asset will be known as ASSET3.
- Using the Create Manual Due-Out (MANUALDO) process, add a Due-Out for each asset.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity less than the Due-Out for ASSET1. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity and price are zero and the quantity Due-Out is greater than zero.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity equal to the Due-Out quantity for ASSET2. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity is the difference of the receipt minus the due out and the quantity Due-Out is 0.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity greater than the Due-Out quantity for ASSET3. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity and price are zero and the quantity Due-Out is 0.
- Using the Create Manual Due-Out (MANUALDO) process, add a Due-Out for each asset.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of each asset. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transactions.

2. PROBLEM -- (Conversion of Frozen Assets to JIT Assets) 1620# - 870

An asset record was frozen as a store stock item using the Over the Counter Issue (OTC) process. While frozen the asset became a JIT asset. Since the asset is now a JIT asset, it can not be thawed.

ACTION - Correct the problem so that frozen assets cannot be converted to JIT assets.

SPECIAL NOTE: For those users not supporting JIT assets/transactions, this test does not have to be executed.

VALIDATION

- Select an NSN from the input dataset of the batch that converts assets to JIT items (JITASSET). This batch job was provided as an example in release 5.1.0 using a dataset that was created as an XCEL spreadsheet and downloaded to the mainframe.
- Using the Freeze/Unfreeze Asset (FRZASSET) process, freeze the asset noted in the above step.
- Execute the batch job to convert the assets to a JIT item (JITASSET). Verify the frozen asset was not converted to a JIT item.

3. PROBLEM -- (Create Issue Directive) 1620# - 881

Due Out transactions are generated with a single digit document number for Non-JIT Assets with a Stock Ownership of “JT”.

ACTION - Correct the process to assign the correct document number for a non-JIT with an ownership of “JT”.

VALIDATION

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, create a Catalog record.
- Using the Add Change or Delete Asset Record (ADCHGAST) process, create an Asset with SUPPLY TYPE CODE of blank and a STOCK OWNERSHIP of ”JT”.
- Using the Create Issue Directive (ISSUEPRE) process, issue a quantity of 10, enter “Y” for Partial Issue and “Y” for Create Due Out.
- Using the Monitor Transaction (MONTRANS)process, verify the issue (ISPR) transaction document number has a suffix of zeroes with a quantity of zero. Verify the Due Out (DOST) transaction document number has a suffix of 1 and a quantity of 10.

4. ENHANCEMENT -- (NSMS and NOSC) 1620# - 890 & 891

When more than one asset exists for the same stock number (i.e., program and stores), NOSC defaults an order to the first Asset, Stock Status Code, and

Stockownership in sequence. This is also a problem when multiple Domains are included in NOSC. Area Code is defaulted to 205 for all orders placed in NOSC.

ACTION - In the order process for NOSC, when multiple assets exist, allow the user to select which asset to order, including multiple domains. Change the Site Parameter Table process to include area code for the center. Create additional Work Files for the extracting of Traceable / Quality Sensitive information and update existing Technical Description file with Trace Code allowing for processing of traceable assets. Add the ability to create a JIT Part File, the 'A to Z Fax List'. Add the ability to update Asset data for any Domain from a Excel Spreadsheet.

SPECIAL NOTE: If your center does not have NOSC installed, this test does not have to be executed.

VALIDATION

- Using the Asset Scan (SCANASET) process, locate an asset with multiple stock status codes and/or ownership's.
- Using NOSC, scan for catalog records. Select the NSN located in the previous step. After selecting the NSN, verify that a list of assets is presented, allowing the user to select a particular asset. Select an asset from the list noted above, and verify that the particular asset's information (Domain, NSN, Stock Status Code, and Stock Ownership) appears in the detail screen. Place an order for that asset (make sure quantity is available).
- Using the Monitor Transaction (MONTRANS) process, validate that an issue (ISPR for store stock, DIEC for a JIT item) transaction was generated for the asset selected.
- Using the Asset Scan (SCANASET) process, locate a similar asset in a different domain; repeat the above steps for that asset.
- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, add two traceable records - one Lot-Batch and one Serial Number.
- Using the Add, Change, or Delete Asset (ADCHGAST) process, add a program stock asset for each of the above catalog records. Make sure each has Quality Sensitive information.
- Submit the NOSC Extract (NOSCEXTR) batch job, wait until the job completes. Verify the job ran without errors. Verify that Work File 13 (thirteen) and Work File 14 (fourteen) have the records entered above. Verify Work File 6 (six) has Trace Code of the records above.
- Submit the job to FTP the files to the fileserver for SYBASE.
- Using NOSC, verify Traceable and Quality Sensitive information is shown.

- Using the Create a JIT Part File (JITFILE) batch job, create a JIT Part File that contains data from more than one Domain. Verify the data set created contains records with multiple domains.
- Using the Create a 'A to Z Fax List' (FAXLIST) batch job, create a 'A to Z Fax List' report that contains data from more than one Domain. Verify the assets used above appear on the Fax List.
- Using the JIT Asset Load (JITASSET) batch job, enter the domain for the asset information to be loaded into. Submit the job. Verify the data was loaded into the domain entered. (The asset data comes from the Excel spreadsheet.)

5. PROBLEM -- (NOSC Status) 1620# - 897

When a JIT direct order is created (DIED) and cancelled, the correct status data is applied to these transactions. However, when the status records are created for NOSC, duplicates are created without a description.

ACTION - Correct the process to create one status record with a description.

SPECIAL NOTE: If your center does not have NOSC installed or does not use the ordering capability, this test does not have to be executed.

VALIDATION
- Using the Scan Asset (SCANASET) process, select an NSN that is flagged as direct delivery.
- Using the NOSC system, order a quantity for the asset selected.
- Using the View DIEC/DIED (VIEWECED) process, cancel the order created above.
- Submit the NOSC Extract (NOSCEXTR).
- Submit the job to FTP the files created to the Fileserver for SYBASE.
- Using the NOSC system, request the status for the order. Verify the status is shown only once with a description.

6. PROBLEM -- (Catalog Scan) 1620# - 900

The PF7 processing does not work correctly on an end of file condition or when multiple records exist for the same key.

ACTION - **Correct the processing of the PF7 backward scrolling.**

SPECIAL NOTE: When searching for a part number using the Catalog Scan process and multiple NSNs exist for that part number, the paging (PF7) is

inconsistent. To simplify the process when multiple (more than 2) pages of data is presented and the user presses PF7, the first NSN with that part number will be displayed. If needed, use the Add, Change or Delete Catalog (CATADCHG) process to add the same part number to numerous NSNs.

VALIDATION

- Using the Catalog Scan (CATSCAN) process, search by each option (NSN (1), Manufacturers Part Number (2), Generic Technical Description (3) and Technical Description (4)) entering a Starting Value of 'Z's, '9's, '0's. Each search will display records containing the Starting Value or higher value if a higher value exists. If the Starting Value is at the end of the file press <PF7> to return to the previous page.
- Using the Catalog Scan (CATSCAN) process, search by Manufacturers Part Number. Locate a Part Number with multiple NSNs. Press <enter> to display each page of data for that part number. Press <PF7> to return to the first NSN for that part number.

7. ENHANCEMENT -- (NOSC) 1620# - 905

NOSC needs to allow the viewing of items with trace data and quality sensitive data. It also needs to allow the ordering of traceable items, and the selection of quantity from specific trace keys.

ACTION - Modify NOSC to allow the viewing and ordering of traceable items.

SPECIAL NOTE: If your center does not have NOSC installed, this test does not have to be executed.

VALIDATION

- Using the Catalog Scan (CATSCAN) process in NSMS, select a traceable NSN (either lot/batch or serial traceable).
- Using the Add, Change, Delete Asset (ADCHGAST) process in NSMS, add a store stock asset for the NSN chosen above.
- Using the Inventory Adjustment (INVADJST) process in NSMS, increase the asset's quantity, adding quality sensitive trace keys.
- Submit the NOSC Extract (NOSCEXTR) batch job, wait until the job completes. Verify the job ran without errors. Verify that Work File 13 (thirteen) and Work File 14 (fourteen) have the records entered above. Verify Work File 6 (six) has Trace Code of the records above.
- Submit the job to FTP the files to the fileserver for SYBASE.
- Using NOSC, scan for catalog records. Select the NSN located above. When/If prompted to select an asset from the list, select the asset created

above with quality sensitive trace keys. After selecting the asset, click on the "View Trace Quantity" button located on the detail screen. Verify that the various trace keys for that asset are displayed, and that quality sensitive trace keys are denoted by the "Y" in the quality sensitive field. Highlight a trace key that is quality sensitive. Click the "View Quality Sensitive Info" button to see quality sensitive information for that trace key.

- Using the Asset Scan (SCANASET) process, verify the asset information corresponds to the information in NOSC.
- Click the "OK" button to Exit the trace key quantity screen to return to the detail screen. Click the "Order Quantity" button to proceed to the order screen. Enter the appropriate information in the boxes provided and click on the "Order" button to select quantity from the respective trace keys. Select a trace key from which to select quantity by clicking on the "Quantity Requested" field in the row of the trace key desired. Note: Quality Sensitive information may be viewed for the highlighted trace key by clicking on the "View Quality Info" button. Enter the quantity desired in the "Quantity Requested" field for as many trace keys as desired. This quantity must match the quantity entered on the previous order screen. Click the "OK" button to process an order.
- Using the view transaction process (MONTRANS), verify that an issue transaction is created for the asset and trace data supplied in the NOSC order process.

8. PROBLEM -- (Create Issue Directive) 1620# - 919

The Create Issue Directive process abends with a Natural error '1009' or a Natural error '1108' when attempting to select an asset by part number and all the assets are discontinued.

ACTION - Correct the process to display the assets and return a message when all records for the part number are found to be discontinued.

VALIDATION

- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, add several NSNs with the same Part Number.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset for each of the catalog records created in the previous step.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity for the assets.
- Using the Inventory Adjustment (INVADJST) process, decrease the quantity for the assets by the amount increased created in the previous step.

- Using the Add, Change or Delete Asset (ADCHGAST) process, delete the assets added in the previous steps.
- Using the Create Issue Directive (ISSUEPRE) process, enter the Part Number created above. A browse screen will appear which displays all the discontinued NSNs and does not allow selection of either. Press PF4 to return.

9. PROBLEM -- (Receive Turn-In For Credit/No Credit) 1620# - 931

The process does not release due outs automatically when the release due out field is Yes. The value is being overlaid with a No when the Transaction Definition table value for a Turn-in for Credit (TICR) and Turn-in for No Credit (TINC) is blank.

ACTION - Correct the process to release due outs based on the value in the release due out field on the turn-in screen. If Transaction Definition table (TRANSDEF) is blank for a TINC or TICR, default the release due out field to No on the turn-in screen. If the user enters Yes to release due outs, release the due outs automatically.

VALIDATION

- Using the Update Transaction Definition Table (TRANSDEF) process, update the Release Due-Outs field to a blank (‘ ’) for a transaction type ‘TICR’.
- Using the Monitor Transaction (MONTRANS) process, select an issue (ISPR) transaction. Note either the document number and asset.
- Using the Manual Due Out process, create a due out for the asset selected.
- Using the Receive Turn-In For Credit/No Credit (TURNIN) process, enter the document number of the issue transaction. Press <ENTER>. The screen should display an ‘N’ in the Release Due-Outs? ('Y' OR 'N') field. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the turn-in (TICR) transaction was created. Note the document number of the turn-in (TICR).
- Using the Reverse Transaction (REVTRANS), reverse the turn-in.
- Using the Update Transaction Definition Table (TRANSDEF) process, update the Release Due-Outs field to No (‘N’) for a transaction type ‘TICR’.
- Using the Receive Turn-In For Credit/No Credit (TURNIN) process, enter the document number of the issue transaction. Press <ENTER>. The screen should display an ‘N’ in the Release Due-Outs? ('Y' OR 'N') field. Process to completion.

- Using the Monitor Transaction (MONTRANS) process, verify the turn-in (TICR) transaction was created. Note the document number of the turn-in (TICR).
- Using the Reverse Transaction (REVTRANS), reverse the turn-in.
- Using the Receive Turn-In For Credit/No Credit (TURNIN) process, enter the document number of the issue transaction. Press <ENTER>. The screen should display an 'N' in the Release Due-Outs? ('Y' OR 'N') field. Change the value to Yes and process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the turn-in (TICR) and due out release transactions were created. Note the document number of the turn-in (TICR).
- Using the Reverse Transaction (REVTRANS), reverse the turn-in and due out release.
- Using the Update Transaction Definition Table (TRANSDEF) process, update the Release Due-Outs field to Yes ('Y') for a transaction type 'TICR'.
- Using the Receive Turn-In For Credit/No Credit (TURNIN) process, enter the document number of the issue transaction. Press <ENTER>. The screen should display a 'Y' in the Release Due-Outs? ('Y' OR 'N') field. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the turn-in (TICR) and due out release transactions were created. Note the document number of the turn-in (TICR).
- Using the Reverse Transaction (REVTRANS), reverse the turn-in and due out release.
- Using the Receive Turn-In For Credit/No Credit (TURNIN) process, enter the document number of the issue transaction. Press <ENTER>. The screen should display a 'Y' in the Release Due-Outs? ('Y' OR 'N') field. Change the value to No and process to completion.
- Using the Monitor Transaction (MONTRANS) process verify the turn-in (TICR) transaction was created.

10. PROBLEM -- (FED/MIL Order Demand Items) 1620# - 933

The Fed/Mil Order Demand Items process will abend with an index out of range fatal error, when the user generates an A0A (request for domestic shipment) status card then before running the Fed/Mil Requisitions and Returns process, generates an RES (re-establish cancelled Fed/Mil Order) status.

ACTION - Correct the process to return an error when attempting to generate an RES status without status cards.

VALIDATION

- Using the Fed/Mil Order Demand Items (FEDEMAND) process, create an A0A status for a non-existent asset. Note the document number of the Due In Direct Buy Fed/Mil (DIDF) transaction.
- Using the Fed/Mil Order Demand Items (FEDEMAND) process, change the quantity of the Due In created in the previous to zero.
- Using the Fed/Mil Order Demand Items (FEDEMAND) process, attempt to create an RES status for the due in. An error should be returned reflecting that no A0A status exist.

11. PROBLEM -- (Quality Criteria Table) 1620# - 934

When adding Quality Criteria Codes to the Quality Criteria Table, an error is generated when adding similar, but not identical, Quality Criteria Codes.

ACTION - Correct the process to allow maintenance of similar Quality Criteria Codes.

VALIDATION
- Using the Quality Criteria Table (QCCTABLE) process, add a four-digit Quality Criteria Code not already contained on the table.
- Using the Quality Criteria Table (QCCTABLE) process, using the first three digits of the Quality Criteria Code created in the previous step. NOTE: This Quality Criteria Code also must not exist on the table.

12. PROBLEM -- (Pre-Post Issue Reversal) 1620# - 936

The Reversal of a Pre-Post Issue generates a Document Number that is the same as the Original Issue's Document Number when there is more than twelve (12) months time.

ACTION - Correct the Pre-Post Issue Reversal process so that the correct Document Number is placed on the reversal transaction.

VALIDATION
- Using the Monitor Transaction (MONTRANS) process, select a Pre-Post Issue (ISPR) transaction with a Document Number date older than twelve (12) months.
- Using the Transaction Reversal (REVTRANS) process, reverse the selected issue transaction.
- Using the Monitor Transaction (MONTRANS) process, verify the Document Number of the Pre-Post Issue Reversal (ISPRR) transaction has the current

date as the Document Number date and different than the original issue transaction.

13. PROBLEM -- (Catalog Inquiry Driver) 1620# - 937

When selecting a catalog record in the Catalog Inquiry Driver by part number, an error is being displayed **Requested Part Number Record Not Found**. However, when the NSN associated with the part number is selected, the record comes up with the part number on it.

ACTION - Correct the process to allow selection of valid part numbers.

VALIDATION

- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, add two catalog records with the same Part Number.
- Using the Catalog Scan (CATSCAN) process, verify the catalog records are displayed. Use option (2) to scan by part number.
- Using the Catalog Inquiry Driver (CINQDVR) process, enter the part number that was created previously for the two catalog records. Verify that the correct catalog records are being displayed.
- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, delete the lowest NSN.
- Using the Catalog Scan (CATSCAN) process, verify the discontinued catalog record is not being displayed.
- Using the Catalog Inquiry Driver (CINQDVR) process, enter the part number created previously. Verify the correct catalog record is being displayed.

14. ENHANCEMENT -- (Inventory Control Report) 1620# - 939

The Inventory Control Report cannot be generated prior to the complete entry of the first Inventory Count.

ACTION - Allow the Inventory Control Report to be generated prior to the entry of the first Inventory Count.

SPECIAL NOTE: The Site Parameter Table (SITEPARM) process can be used to change the Update Bin Quantity Indicator if needed.

VALIDATION

- Using the Add Change Or Delete Catalog Detail (CATADCHG) process, add a traceable (TRACE-CODE of “L”) and non-traceable catalog record.

- Using the Add, Change Or Delete Asset (ADCHGAST) process, add a program stock asset for the catalog records created in the previous step.
- Using the Inventory Adjustment (INVADJST) process, add quantity to the assets. For the traceable asset use LOT1 and LOT2 for the trace-keys.
- Using the Process Inventory Counts (INVCTSMM) process, enter one (1) for Option (Build Inventory Control Record), a run-id and an Inventory-Type of “FSA” (For Single Asset). Enter the assets created above and continue processing.
- Using the Process Inventory Counts (INVCTSMM) process, enter three (3) for Option (Build Inventory Lot) and the run-id from the previous step. Submit the batch job and wait until completed before continuing.
- Using the Process Inventory Counts (INVCTSMM) process, enter eight (8) for Option (Produce Inventory Control Report) and the run-id. Note the Run Status is “S”. Submit the batch job and wait until completed. Verify the assets appear on the Inventory Control Report and the “Report Results” section of the report does not have all zeroes for totals.
- Using the Process Inventory Counts (INVCTSMM) process, enter four (4) for Option (Produce Warehouse Data Collection Report) and the run-id. Note the Run Status is “S”. Submit the batch job and wait until completed.
- Using the Process Inventory Counts (INVCTSMM) process, enter eight (8) for Option (Produce Inventory Control Report) and the run-id. Note the Run Status is “1”. Submit the batch job and wait until completed. Verify the assets appear on the Inventory Control Report and the “Report Results” section of the report does not have all zeroes for totals.
- Using the Process Inventory Counts (INVCTSMM) process, enter five (5) for Option (Process Warehouse Counts) and the run-id. Enter data in Count one (1) so that the records do not balance. Press PF8 to complete the process.
- Using the Process Inventory Counts (INVCTSMM) process, enter eight (8) for Option (Produce Inventory Control Report) and the run-id. Note the Run Status is “1”. Submit the batch job and wait until completed. Verify the assets appear on the Inventory Control Report and the “Report Results” section of the report does not have all zeroes for totals.

15. PROBLEM -- (Receive Turn-In For Credit/No Credit) 1620# - 942

Two modules received a natural error due to the fact that only the last two digits of the four digit year is being used in calculations. The processes do contain the four digit year.

ACTION - Correct the modules to use the four digit year in the calculations.

SPECIAL NOTE: The DBA must change the procedure (proc) that allows execution of the NSMS system to include the DD Parameter. The following is only an example of how the proc might look.

```
//PMDTEST PROC REG='4M',
//   DBI='DBID=164',
//   SYS='SYS=P1B',
//   UDB='164',
//   DEF='AUTO=OFF,MT=0',
//   DD='DD=+0',
//   PRM='INTENS=3',
//   N2OA='LFILE=(100,163,26)',
//   N2OB='LFILE=(105,163,30)'
//*********************************************************************
//* BATCH NATURAL 2.2.6 UDB = 164
//*********************************************************************
//NATURAL  EXEC PGM=NATBATCH,REGION=&REG,
//    PARM=('&SYS,&DBI,&PRM,UDB=&UDB,&DEF,&N2OA,&N2OB,&DD')
//STEPLIB  DD DSN=SYS2A.DB000.NAT.LOAD.BATCH,DISP=SHR
//         DD DSN=SYS2A.ADABAS.LOAD,DISP=SHR
//DDCARD   DD DSN=SYS3A.DB164.ADA.PARM(DCUSR),DISP=SHR
//SYSOUT   DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//CMPRINT  DD SYSOUT=*
//CMSYNIN  DD DUMMY
```

VALIDATION

- Your center DBA must have completed the Special Notes section before executing this test.
- The DD parameter allows the current system date to be changed by adding/subtracting a number of days to/from the current system date. Compute the number of days to be added to make the system date be 10/01/1999. Your center DBA must instruct you on how to enter the NSMS system with the data set to 10/01/99. This may differ from center to center, an example to enter the environment increasing the system date might be:
  TSO PMDTEST DD(+89)
  where 89 is the number of days to add to the current date.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock asset.
- Using the Inventory Adjustment (INVADJST) process, increase the asset quantity by one.
- Using the Create Issue Directive (ISSUEPRE) process, issue a quantity of one for the asset.

- Using the Add, Change or Delete Asset (ADCHGAST) process, delete the asset.
- Using the Issue Transaction Response Time (ISRSPTRK) process, enter a start date of 1999 / 10 / 01 and a close date of 1999 / 10 / 02. The process should return the number of issues processed in the time frame indicated.

16. PROBLEM -- (NOSC) 1620# - 943

The NOSC Issue process fails to generate the related transaction and / or updates of the related asset record when a Pre-ET error is encountered.

ACTION - Correct the Issue process invoked by NOSC to back out all transactions and updates when an error is encountered within the Pre-ET.

SPECIAL NOTE: If your center does not have NOSC installed, this test does not have to be executed.

VALIDATION

- Using the Asset Scan (SCANASET) process, select a Store Stock Asset with a Supply Type Code of " " and a Quantity On-Hand.
- Using NOSC, order a quantity less than the Quantity On-Hand for the asset selected.
- Using the Monitor Transactions (MONTRANS) process, verify that a Pre-Post Issue (ISPR) transaction was generated.
- Using the Asset Scan (SCANASET) process, verify the asset Quantity On-Hand was decreased by the quantity of the issue transaction.
- Using NOSC, order a quantity greater than the Quantity On-Hand for the asset.
- Using the Monitor Transactions (MONTRANS) process, verify that both Pre-Post Issue (ISPR) and Due-Out (DOST) transactions were generated.
- Using the Asset Scan (SCANASET) process, verify the asset Quantity On-Hand was decreased by the quantity of the issue transaction and the asset Quantity Due-Out was increased by the quantity of the Due-Out transaction.
- Using the Asset Scan (SCANASET) process, select a Store Stock Asset with a Supply Type Code of "E " and a Quantity On-Hand of zero (0).
- Using NOSC, order a quantity for the asset selected.
- Using the Monitor Transactions (MONTRANS) process, verify that a JIT Order (DIEC) transaction was generated.
- Using the Asset Scan (SCANASET) process, verify the asset Quantity Due In was increased by the quantity of the JIT Order (DIEC) transaction.

17. ENHANCEMENT -- (Purchase Order Acknowledgment (855) and Purchase Order (850)) 1620# - 940, 948

The 850 and 855 transaction sets need additional data fields added to allow ARC to use GSA as a trading partner. The X12 transaction set transmitted between NOSC and an external vendor is not Y2K compliant.

ACTION - Change the processes to allow for ARC to use GSA as trading partner. Change processing in NSMS to comply with the new version (4010) of X12 transaction sets.

SPECIAL NOTE: If your center does not have NOSC installed or does not use the electronic transfer of data, this test does not have to be executed. Using the Batch Job (BATCHJOB) process, locate the data set name used in the Purchase Order Acknowledgment (EDI855).

VALIDATION

- Using the Site Parameter Table (SITEPARM) process, add a city, state, zip and area code for your center. These fields will be on the second map of this process, so respond Yes to Show Additional Parameters.
- Using the Vendor ID Table Maintenance (VENDTBL) process, add a Vendor ID of “GS”, Vendor Name of ARC850GSA3040 and FSC of 7150.
- Using the Add Change or Delete Catalog (CATADCHG) process, add a catalog record with a vendor id of “GS”.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset for the catalog record making the supply type code of ‘E’, the Est. Unit Price of $2.00 and the Unit Issue of “EA”.
- Using the Create Issue Directive (ISSUEPRE) process, create an issue (DIEC) with a quantity of 10 for the asset created previously. A pop up window will be displayed, enter 8 for the minimum quantity acceptable.
- Using the Monitor Transaction (MONTRANS) process, verify the issue (DIEC) transaction was created. Note the document number and the NSN of the transaction.
- Using the View DIEC/DIED (VIEWECED) process, enter Y to DO YOU WANT TO TRANSMIT EDI?
- Using the Create 850 Orders (JIT850) process, submit the job to create the data set used for transmission to the Vendor. Note: In order for a JIT order to be selected the transaction must have a purchase order number which should have been populated in the Pre-Et when issued.
- Using the data set located above, enter the following data in the PO1 segment::
  a quantity of 10 in columns 8-14 (enter **0000010**)

the unit of measure of “EA” in columns 15-16
a price of $3.00 in columns 17-28 (enter **00000003.00** including the decimal)
the document number in column 56-70
the NSN in column 130-141

Enter the following data in the ACK segment:
Line item status of “IP” in columns 4-5
quantity of 8 in columns 6-12 (enter **0000008**)
a unit of measure of ‘DZ’ in column 13-14

- Using the Purchase Order Acknowledgment (EDI855) process, submit the job. The report should display two errors (1) Order Canceled - Order Issue EA ACK Unit Issue DZ and (2) an adjustment of 2 and the new price of $3.00.
- Using the Monitor Transaction (MONTRANS) process, verify the order adjustment (DIECA) transaction was created with a quantity of negative 2 and price of $4.00 (positive).

18. PROBLEM -- (Warehouse Denial) 1620# - 950

When selecting multiple denial transactions for approval, the comments previously entered are missing. This occurs when selecting multiple transactions to approve and the first record chosen has fewer lines of comments than the second record chosen has. Even though a user has to enter comments before advancing to the next level of approval, it appears that comments were not entered when displaying the second record.

ACTION - Correct problem to display the comments from the transaction being approved.

SPECIAL NOTE: The Site Parameter Table (SITEPARM) contains the value for how many approvals are required in the Analysis Approval Indicator field.

VALIDATION

- Using the Asset Scan (SCANASET) process, select two active assets with quantity on hand. The asset with the lowest NSN will be referred to as Asset A. The asset with the highest NSN will be referred to as Asset B.
- Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for Asset A. Note the document number of the issue (ISPR) transaction.
- Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for Asset B. Note the document number of the issue (ISPR) transaction.
- Using the Initiate Warehouse Denial (WDAINIT) process, create a warehouse denial for Asset B using the document number of the issue. Enter multiple lines of data in both the analysis of cause of discrepancy and the

corrective action fields. Approve the denial to send to the next level of approval. Create a warehouse denial for Asset A using the document number of the issue. Enter a single line of data in both the analysis of cause of discrepancy and the corrective action fields. Approve the denial to send to the next level of approval.

- Using the I/M Analysis (WDAMANG), select Asset A and Asset B for approval. Asset A will be displayed with the comments entered above (only one line of comments should appear). Press <enter> to enter comments for Inventory Management Analysis and approve. Asset B will be display the all comments entered (multiple lines of comments should appear). Press <enter> to enter comments for Inventory Management Analysis and approve.
- If your center requires more than one approval, continue the Warehouse Denial processes until completed. The comments entered should appear in each phase of approval.

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 6.3.0
Release Date: March 1999
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NSMS)

Telephone: (205) 544-6673
Email: pam.leak@msfc.nasa.gov
FAX: (205) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets:

- **AIMS.NSMS.PROD.REL630.REL0399.DOC**
  VOLUME = site determined
  ORG = PO
  RECFM = FB
  LRECL = 80
  BLKSIZE = 4000
  TRKS = 4

- **AIMS.NSMS.PROD.REL630.REL0399.PRD**
  VOLUME = site determined
  ORG = PS
  RECFM = VB
  LRECL = 4624
  BLKSIZE = 4628
  TRKS = 409

- **AIMS.NSMS.PROD.REL630.REL0399.SRC**
  VOLUME = site determined
  ORG = PS

RECFM	=	VB
LRECL	=	4624
BLKSIZE	=	4628
TRKS	=	77

These datasets are located on the Central Bulletin Board and have allocation requirements based on a 3390 disk drive.

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 10.0 to assist in tracking the installation of this release.

1.0 Back Up Existing Data
2.0 Copy Source/Object Code
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion
7.0 Load Natural Error Messages
8.0 Perform Release-Specific Procedures
9.0 Local JCL Mods
10.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NSMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Load Source Code

Load the NSMS source modifications from the dataset AIMS.NSMS.PROD.REL630.REL0399.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library named NSMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type

GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	35
MAPS	15
HELP ROUTINES	1
SUBROUTINES	21
SUBPROGRAMS	4
PROGRAMS	37
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	**113**

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSDLARD5	Release Due-Outs	LDA	106
NSDLARDF	Release Due-Outs	LDA	106
NSSRARD5	Release Due-Outs	SUB	106
NSSRARDF	Release Due-Outs	SUB	106
NSSROPNQ	Validate Due-In & Quantity	SUB	106
EDDLBLW2	Create JIT NSN, Part File	LDA	891
EDMPBLWF	Create JIT NSN, Part File	MAP	891
EDPTBLWF	Create JIT NSN, Part File	PGM	891
EDSFBLWF	Create JIT NSN, Part File	PGM	891
EDDLECP2	Create FAX List for Vendor	LDA	891
EDMPECPA	Create FAX List for Vendor	MAP	891
EDMPECMA	Create FAX List for Vendor	MAP	891
EDSFECPA	Create FAX List for Vendor	PGM	891
EDDLRCE2	JIT Batch Receipt	LDA	891
EDMPRCEC	JIT Batch Receipt	MAP	891
EDSFRCEC	JIT Batch Receipt	PGM	891
EDPTRCEC	JIT Batch Receipt	PGM	891
EDDLXCE2	Update Asset, Catalog with XCEL	LDA	891
EDMPXCE2	Update Asset, Catalog with XCEL	MAP	891
EDPTXCEL	Update Asset, Catalog with XCEL	PGM	891
EDPUXCEL	Update Asset, Catalog with XCEL	PGM	891
EDSFXCEL	Update Asset, Catalog with XCEL	PGM	891
EDSRTRIS	NOSC/NSMS Traceable Issue	SUB	891
NSDLCEX2	NOSC Extract Program	LDA	891
NSMPCEXS	NOSC Extract Program	MAP	891
NSPTCEXS	NOSC Extract Program	PGM	891
NSSFCEXS	NOSC Extract Program	PGM	891
EDSRTRIS	NOSC/NSMS Traceable Issue	SUB	891
EDDLTRIS	NOSC/NSMS Traceable Issue	LDA	891
EDDLJTD2	Create 850 Transaction Set	LDA	891
EDMHJTDO	Create 850 Transaction Set	MAP	891
EDMPJTDO	Create 850 Transaction Set	MAP	891
EDSFJTDO	Create 850 Transaction Set	PGM	891

Changed Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSMPINIT	NSMS Initial Map	MAP	
NSDL320C	Change A Commercial Due-In	LDA	106
NSDL320D	Delete A Commercial Due-In	LDA	106
NSDLAADO	Adjust Due-Out Quantity	LDA	106
NSDLARDO	Release Due-Outs	LDA	106
NSDLDIOQ	Adjust Due-In Open Quantity	LDA	106
NSDLFMSI	Change A Fed/Mil Due-In	LDA	106

NSDLFSUA	Change A Fed/Mil Due-In	LDA	106
NSDLISDO	Create Manual Due-Out	LDA	106
NSPTAACD	Add, Change Or Delete Asset	PGM	106
NSMPAADO	Adjust Due-Out Quantity	MAP	106
NSPTAADO	Adjust Due-Out Quantity	PGM	106
NSPTARDO	Release Due-Outs	PGM	106
NSSRARDO	Release Due-Outs	SUB	106
NSPTDIOQ	Adjust Due-In Open Quantity	PGM	106
NSPUISSE	Pre Post Issue (flight)	SUBP	106
NSMPISDO	Create Manual Due-Out	MAP	106
NSPTISDO	Create Manual Due-Out	PGM	106
NSSR320C	Change A Commercial Due-In	SUB	106
NSSR320D	Delete A Commercial Due-In	SUB	106
NSSRCATR	Catalog Maintenance	SUB	106
NSSRFMSI	Change A Fed/Mil Due-In	SUB	106
NSSRFSUA	Change A Fed/Mil Due-In	SUB	106
NSSRICT1	Process Inventory Counts	SUB	106
NSDLICAJ	Inventory Adjustment	LDA	106
NSPUICAJ	Inventory Adjustment	PGM	106
NSSRBIN0	Calling Sub Traceable Asset	SUB	106
NSSRBIN2	Traceable Asset Update	SUB	106
NSPTRCPT	Receive Due-In Not Due-In	PGM	106
EDPUXCEL	Excel Update of Asset and Catalog	PGM	870
NSSRISZT	Create Issue Directive (Zero Issue)	SUB	881
NSMPISPR	Create Issue Directive	MAP	891
NSPTISPR	Create Issue Directive	PGM	881
EDDLBLWF	Create JIT NSN, Part File	LDA	891
EDPRBLWF	Create JIT NSN, Part File	PGM	891
EDDLECLA	Create FAX List for Vendor	LDA	891
EDPUEPCA	Create FAX List for Vendor	PGM	891
EDDLORLA	Customer Order Status	LDA	891
EDDLORL2	Customer Order Status	LDA	891
EDMPORLA	Customer Order Status	MAP	891
EDPUORDR	Customer Order Status	PGM	891
EDSFORDR	Customer Order Status	PGM	891
EDPURCEC	JIT Batch Receipt	PGM	891
EDDLRCEC	JIT Batch Receipt	LDA	891
EDLDXCEL	Update Asset, Catalog with XCEL	LDA	891
EDSPVCOL	EDI/JIT Stock Order Process	SUBP	891
EDSRVCDB	EDI/JIT Direct Buy	SUB	891
EDDLVCOR	EDI/JIT Controlling Subprogram	LDA	891
EDSPVCOR	EDI/JIT Controlling Subprogram	SUBP	891
EDDLVCPS	EDI/JIT Quantity Retrieval	LDA	891
EDSPVCPS	EDI/JIT Quantity Retrieval	SUBP	891
EDDLTRIS	NOSC/NSMS Traceable Issue	LDA	891
NSPUCEXS	NOSC Extract Program	PGM	891
EDSPVCOR	EDI/JIT Controlling Subprogram	SUBP	891
EDDLVCOR	EDI/JIT Controlling Subprogram	LDA	891
EDSPVCOL	EDI/JIT Stock Order Process	SUBP	891
EDPUJTDO	Create 850 Transaction Set	PGM	891
EDPROPDI	JIT Open Order Due In	PGM	891
EDPUECPA	Create FAX List for Vendor	PGM	891
EDPUORDR	EDI Order Statusing	PGM	897

EDDLORLA	EDI Order Statusing	LDA	897
NSPTCASC	Catalog Scan	PGM	900
EDSPVCOR	EDI/JIT Controlling Subprogram	SUBP	905
EDDLVCOR	EDI/JIT Controlling Subprogram	LDA	905
EDSPVCOL	EDI/JIT Stock Order Process	SUBP	905
NSHSPNCV	Browse Part Number	HLP	919
NSDLPNCV	Browse Part Number	LDA	919
NSPTRTRN	Receive Turn-In For Credit/No Credit	PGM	931
NSMPRTRN	Receive Turn-In For Credit/No Credit	MAP	931
NSDLRTRN	Receive Turn-In For Credit/No Credit	LDA	931
NSPTDFMI	Direct Fed/Mil Order	PGM	933
NSSRFRES	FEDMIL Re-establish cancelled order	PGM	933
NSPTTFLH	Quality Criteria Code Table Maint.	PGM	934
NSSFRIPR	Reverse Pre-Post Issue	PGM	936
NSSRCIPN	Part Number Inquiry	SUB	937
NSDLCIPN	Part Number Inquiry	LDA	937
NSDLICPC	Inventory Control Report	LDA	939
NSPRICPC	Inventory Control Report	PGM	939
EDDLJTD2	Create 850 Transaction Set	LDA	940
EDDLPOAK	Purchase Order Acknowledgment	LDA	940
EDMPJTDO	Create 850 Transaction Set	MAP	940
EDPTPOAK	Batch Job Scheduling	PGM	940
EDPUJTDO	Create 850 Transaction Set	PGM	940
EDPUPOAK	Purchase Order Acknowledgment	PGM	940
EDSFJTDO	Create 850 Transaction Set	PGM	940
NSSRACD1	Delete Asset Record	SUB	942
NSDLACD1	Delete Asset Record	LDA	942
NSSRCIRT	Issues Response Time	SUB	942
NSDLCIRT	Issues Response Time	LDA	942
EDSRVCIS	NOSC/NSMS Issue	SUB	943
EDDLVCIS	NOSC/NSMS Issue	LDA	943
EDSRVCJT	NOSC/NSMS JIT Order	SUB	943
EDSFJTDO	Create 850 Transaction Set	PGM	948
EDPTPOAK	Batch Job Scheduling	PGM	948
EDMPJTDO	Create 850 Transaction Set	MAP	948
EDDLPOAK	Purchase Order Acknowledgment	LDA	948
EDDLJTD2	Create 850 Transaction Set	LDA	948
EDPUJTDO	Create 850 Transaction Set	PGM	948
EDPUPOAK	Purchase Order Acknowledgment	PGM	948
NSDLTPRM	Site Parameter Table	LDA	948
NSMPTPR2	Site Parameter Table	MAP	948
NSPTTPRM	Site Parameter Table	PGM	948
NSPTWD0A	Warehouse Denial (Asset Analysis)	PGM	950

Deleted Modules

No modules were deleted within this release.

3.0 Pre-Predict Data Conversion

There is no Pre-Predict data conversion for this release.

4.0 Install Predict

4.1 Data Dictionary Changes

This release will include the new enhancements for version 6.3.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing PREDICT reporting on the keyword NSMS-6.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset AIMS.NSMS.PROD.REL630.REL0399.PRD.

The following NSMS DDMs should be generated after the PREDICT load is complete.

NS-TABLES
NS-TRANSACTION
NS-TRANSACTION—DI-DO-JIT
NS-TRANSACTION—DUE-IN-COM
NS-TRANSACTION--RECEIPT

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

PREDICT Objects by Type:

Keyword	-	1
Standard Files	-	1
Conceptual Files	-	1
ADABAS Files and Views	-	31
Data Elements	-	2830

4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for file changes. The ADADBS control statements can be cut and pasted into the TSO ISPF editor. Call RICK BISHOP (256)544-5352 with any questions or problems.

Add the following fields:

NS-TABLES-FILE File # 181

Ty	L	Field name	F	Length	Occ	D	U	DB	S
	1	SITE-IFM-COST-POOL-PCA-CODE	A	5.0				FA	N
	1	SITE-IFM-COST-POOL-OCA-CODE	A	6.0				FM	N
	1	SITE-CITY-NAME	A	30.0				FN	N
	1	SITE-STATE-CODE	A	2.0				FO	N
	1	SITE-ZIP-CODE	A	9.0				FP	N
	1	SITE-AREA-CODE	A	3.0				FQ	N

Using the following commands:

```
ADADBS NEWFIELD FILE=181
ADADBS FNDEF='01,FA,5,A,NU'
ADADBS FNDEF='01,FM,6,A,NU'
ADADBS FNDEF='01,FN,30,A,NU'
ADADBS FNDEF='01,FO,2,A,NU'
ADADBS FNDEF='01,FP,9,A,NU'
```

```
ADADBS FNDEF='01,FQ,3,A,NU'
```

Invert the following field:

```
NS-TRANSACTION-FILE                File # 182
Ty L Field name                        F  Length   Occ   D U DB S
*- - ------------------------------- *- -------- ----- * * -- *
   1 PURCHASE-ORDER-NUMBER             A     10.0        D   AJ N
```

Using the following command:

```
ADAINV INVERT FILE=182
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV FIELD='AJ'
```

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. **IT IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

There is no Post-Predict data conversion for this release.

7.0 Load Natural Error Messages

There are no error messages for this release.

8.0 Perform Release-Specific Procedures

There are no release specific procedures for this release.

9.0 Local JCL Mods

There are no local JCL mods for this release.

10.0 Installation Checklist

1.0 Back Up Existing Data
2.1 Load Source Code
4.0 Install Predict

5.0 Catalog Source Code

APPENDIX E

FULL SERVER INSTALLATION PROCEDURES OF NOSC SUPPORTING THE PC

SPECIAL NOTE:
You should remove all previous references to mosc/nosc from your system.

- The application and the SYBASE OpenClient may both be installed on the server.

I. CREATE A TEMPORARY FOLDER, NOSC20, TO HOLD THE FILES TO BE DOWNLOADED OR DOWNLOAD ALL FILES TO DESKTOP.

II. DOWNLOADING THE APPLICATION AND OPENCLIENT

A. Use a File Transfer program (i.e. ws-ftp), to connect to the remote system
Host **wizard.msfc.nasa.gov**, OR **wizard** (IP address: 128.158.144.240):
User ID: **aim**
Password: **aimftp**

B. In the File Transfer screen, double click on the following folders:
   1. **/usr/aim/sybase/11.1.1/win95**

C. Download **as binary**, **oclient111.zip**

D. In the File Transfer screen, double click on the following folder:
   1. **/usr/aim/apps/pc_install/versions/win95/nosc200**
   2. Download the following files **as binary**
      disk1.zip
      disk2.zip
      disk3.zip
      disk4.zip

III. INSTALLATION OF THE APPLICATION AND OPENCLIENT

A. Unzip the four files into the directory of choice.

B. Double click on the **setup.exe** file
   1. Click the **INSTALL** button to select the **easy install.** Select your install location.

C. Once completed, an application folder, **NOSC** should reside on the disk containing the **nosc.exe** and other pertinent files. A **PBRT** folder should also exist containing the PowerBuilder runtime libraries.

NOTE: You will have to reboot the computer for the application-specific changes to take effect. Please wait until this sheet instructs you to reboot.

IV. TO INSTALL THE SYBASE OPENCLIENT

A. Proceed to the temporary folder and unzip the **oclient111.zip file**.
B. Once installed, proceed to the **sybase** folder
   1. Run the **wdsedit** utility, supplying the following information
      a). Say **yes** to the highlighted InterfaceDriver
      b). Click on **Server Object tab** then Modify/Add **server entry** containing
          Server **SYBASE_MSFC_TST** containing the following information
          Server Name SYBASE_MSFC_TST
          Server Service SQL Server
      c). Double click on the line, **Server Address**
          Add protocol WNLWNSCK
          Add Network Address aim4msfc.msfc.nasa.gov, 2025
      d). Click on **Server Object tab** then Modify/Add **server entry** containing
          Server **NOSTST** containing the following information
            Server Name NOSTST
            Server Service SQL Server
      e). Double click on the line, **Server Address**
          Add protocol WNLWNSCK
          Add Network Address aim4msfc.msfc.nasa.gov, 2061

   2. Run the **wocscfg** utility supplying the current SYBASE folder path if not valid.
      A. Click on the **net-library tab**, supply the following, if not there
         a). Platform win3
         b). Protocol TCP
         c). Net-Library Driver WNLWNSCK
      B. Then click **Ok**

   3. Modify the **c:\nosc\nosc.ini**
      Server_Name SYBASE_MSFC_TST
      Database MsfcNsmsTst
      LogId msfcnsms
      LogPassword ross01

   4. Verify that the **c:\sybase\ini\sql.ini file** contain the following
      [SYBASE_MSFC_TST]
      win3_query=wnlwnsck,aim4msfc.msfc.nasa.gov,2025

      [NOSTST]
      win3_query=wnlwnsck,aim4msfc.msfc.nasa.gov,2061

5. Modify the **c:\nosc\opensrv.dat**
   line 1 APPC141
   line 2 LSERVER4
   line 3 NOSTST
   line 4 test_natural

V. VERIFYING CONNECTIVITY to the SYBASE DATABASE

A. Proceed to the **c:\sybase\bin folder**
   1). Run **wisql.exe**, supplying the following
   2). Click on **connect tab** and select **open connection**
   User msfcnsms
   Password ross01
   Database MsfcNsmsTst (case sensitive)
   Server Select server displayed, **SYBASE_MSFC_TST**
   3). Click **connect**
   4). Type **sp_help** NOSC tables should be displayed
   5). Click on **query tab**, then **execute all**
   => Connectivity successful if tables are displayed

B. Run **wdsedit.exe**
   1). Select each server
   2). Highlight the **server address line**
   3). Click on the **server object tab**, select **Ping Object**
   4). Select each **Protocol server address,** click **Ping** after each
   SYBASE_MSFC_TST WNLWNSCK aim4msfc.msfc.nasa.gov, 2025
   NOSTST WNLWNSCK aim4msfc.msfc.nasa.gov, 2061
   NOTE: If ping returns successful, connectivity is established.
   If **ping unsuccessful for NOSTST**, modify server, NOSTST Port # between 2060, 2061, 2062

VI. Running the Application

A. Reboot your computer
B. You are now ready to run the application.

VII. Call MSFC NOSC System Support, Sylvia Battles, (256) 544-8366 or Charmaine Absher (256) 544-8503, for installation assistance.